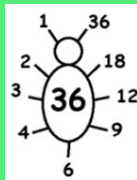# Maths Masterclass

Year 4: Spring 2

Welcome back to another Maths Masterclass Newsletter. We hope you are enjoying our Maths Newsletters. We have included the key coverage and some strategies that we use for teaching maths in class, alongside some online resources and activities for your child to try at home. We hope this helps with supporting your child at home and celebrating their success.

Multiplication and Division

This half term, we will be introducing factors. If you can divide a number by other numbers and get a whole number (integer) as the answer, then you will be able to find the factors of that   number. The children will apply their knowledge of times tables and division facts to be able to find factor pairs. They may present their factor pairs using factor bugs like this one.

You could pick a number up to 100 and get your child to find all of the factor pairs (using the factor bug above as a way to represent this).

Finally, we will be revisiting short multiplication for up to 3-digit by 1-digit multiplication calculations.

The method we will be using can be found here:

Geometry

In geometry, we will be focusing on translation. This includes describing movements on a grid. We will be using the language of up, down, left and right.

A good head start for your child would be to check they know their left and rights!

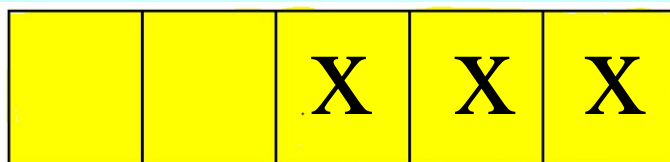Can you direct the BeeBot to different places on the map?

Maths at Home

Fractions

This half term, we will complete some work on fractions. We will revisit how to **subtract a fraction from a whole**. For example 1 - 3/5 = ?

		X	X	X

For this, the children need to recognise that the 1 whole is equivalent to 5/5. Then this calculation can be viewed as 5/5—3/5 = ?

We will also be revisiting **adding mixed numbers**.
For example: 2 2/6 + 3 3/6 = ? For this, 2 + 3 = 5, 2/6 + 3/6 = 5/6. So, 5 + 5/6 = 5 5/6.

Reasoning

You may have heard the teachers talking to you about developing your child's reasoning skills. This is when you are able to apply mathematical concepts in a range of ways and being able to explain what they mean clearly. Here is an example for you to discuss:

Can you identify the odd one out? There is more than one possibility! Use some of the key words to describe your reasoning:

improper   proper
mixed number   fraction
numerator   denominator
digit

$$\frac{7}{8} \qquad \frac{5}{2}$$

$$\frac{5}{12} \qquad \frac{5}{7}$$

Family challenge

Reset cards and target		Generate new target

640

25	5	6	8	3	1

Can you create 640 using just these cards?

E.g. 25 X 6 = 150
8 X 5 = 40
150 + 40 = 190 X 3 = 570 + 1 = 571

Can you get closer?

Please try to spend 10-15 minutes practising times tables as often as possible to support fluency. Fast recall of times tables really helps children when they solve problems and do more complex maths!

Our next battle will be running from

Monday 19th Feb — Thurs 28th March
Having trouble logging on?
Send us an email at
admin@hamble-pri.hants.sch.uk

YEAR 4:

Winning class: ZEBRAS

Lots of brilliant progress with times tables across Year 4. Well done to all! You can do it Turtles!